

## Educational Transmission Sampling Kit – An Economical Assembly of Sampling Tools



The Educational Sampling Kit contains all necessary tools for the analysis of gas, liquid and solid samples. It was designed as a low-cost alternative for busy teaching laboratories. The kit offers a 100 mm x 25 mm gas cell with straight, septa protected tubes, a bolt press for making KBr pellets and a 35-mm mortar and pestle. Please refer to the table below for the detailed list of all components.

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
162-3000	Educational Transmission Sampling Kit <i>Includes sample preparation tools, mull liquids, cells, windows and cell holders required for preparation and analysis of gas, solid and liquid samples</i>

### INCLUDED PARTS AND MATERIALS

PART NUMBER	DESCRIPTION
160-8010	KBr Powder, 100 g
162-1100	Demountable Liquid Cell Assembly
161-0510	Fluorolube®, 1 oz
161-0500	Nujol™, 1 oz
160-1010	Window, KBr, 32 x 3 mm (6 ea.)
160-1015	Window, KBr, 32 x 3 mm, drilled (6 ea.)
042-3035	Spatula, spoon
042-3050	Spatula, flat
162-1290	Teflon® Spacers, assortment
161-0521	Syringe, 2 mL (2 ea. in kit)
161-5035	Mortar and Pestle, 35 mm
162-3610	Press-On Demountable Liquid Cell Holder for 32-mm windows
161-2500	Bolt Press for KBr pellets
161-2511	Wrench Set for bolt press (2 ea.)
162-2100	Gas Cell, 100-mm pathlength, 25-mm diameter
160-1133	Window, KBr, 25 x 4 mm (2 ea. in kit)
161-6000	Finger Cots (12 ea.)
162-5300	Magnetic Film Holder for 13-mm pellets and film samples
162-5400	Film Sampling Card, 20-mm clear aperture (10 ea.)*

\* Note: Cell holders marked "\*" fit all standard slide mounts, but due to their height may not allow for a complete sample compartment door closure on some smaller spectrometers. Please consult PIKE Technologies before placing an order.

### FEATURES

- Basic sampling kit for transmission FTIR sampling
- Perform qualitative and quantitative analysis
- Economical analysis of solids, liquids and gases
- Convenient padded carrying and storage case